

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application;

1. (Previously Presented) A recording and/or reproducing method for a record medium, comprising the steps of:

reading address information from a record medium, the record medium having at least a first area and a second area, data being recordable to the first area, the second area being followed by the first area, the address information representing the position of the second area;

detecting an error corresponding to error detection code encoded for the address information that has been read from the record medium; and

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, notifying at least one user that an error has been detected.

2. (Original) The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, prohibiting data from being recorded to the first area of the record medium.

3. (Original) The recording and/or reproducing method for

the record medium as set forth in claim 2, further comprising the step of:

when the result of the detecting step represents that an error has not been detected in the address information that has been read from the record medium, permitting data to be recorded to the first area of the record medium.

4. (Original) The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, prohibiting data recorded in the first area of the record medium from being reproduced.

5. (Original) The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, permitting data recorded in the first area of the record medium to be reproduced.

6. (Original) The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has

been read from the record medium, prohibiting data from being recorded to the first area of the record medium and permitting data recorded in the first area to be reproduced.

7. (Original) The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, permitting data to be recorded to the first area of the record medium and data recorded in the first area to be reproduced.

8. (Original) The recording and/or reproducing method for the record medium as set forth in claim 1,

wherein the notifying step is performed by displaying an alarm message, when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium.

9. (Original) The recording and/or reproducing method for the record medium as set forth in claim 1,

wherein the notifying step is performed by generating an alarm sound, when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium.

10. (Previously Presented) The recording and/or reproducing method for the record medium as set forth in claim 1,

wherein the detecting step is performed by calculating address information that has been read from the record medium and detecting whether or not the address information that has been read from the record medium has an error depending on whether the calculated result is a predetermined value.

11. (Original) The recording and/or reproducing method for the record medium as set forth in claim 10,

wherein the address information is information that represents at least the start position of the second area.

12. (Original) The recording and/or reproducing method for the record medium as set forth in claim 11,

wherein the address information represents at least minutes, seconds, and frames.

13. (Original) The recording and/or reproducing method for the record medium as set forth in claim 12,

wherein a data portion that represents at least the frames of the address information is varied corresponding to data that represents a manufacturer of the record medium.

14. (Original) A recording and/or reproducing method for a record medium, comprising the steps of:

reading address information from a record medium, the

record medium having at least a first area and a second area, data being recordable to the first area, the second area being followed by the first area, the address information representing the position of the second area;

detecting an error corresponding to error detection code encoded for the address information that has been read from the record medium; and

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, prohibiting data from being recorded to at least the first area of the record medium.

15. (Original) The recording and/or reproducing method for the record medium as set forth in claim 14, further comprising the step of:

when the result of the detecting step represents that an error has not been detected in the address information that has been read from the record medium, permitting data to be recorded to the first area of the record medium.

16. (Original) The recording and/or reproducing method for the record medium as set forth in claim 14, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, permitting data recorded in the first area of the record medium to be reproduced.

17. (Original) The recording and/or reproducing method for the record medium as set forth in claim 14, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, prohibiting data recorded in the first area of the record medium from being reproduced.

18. (Previously Presented) The recording and/or reproducing method for the record medium as set forth in claim 14, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, notifying at least one user that the error has been detected.

19. (Original) The recording and/or reproducing method for the record medium as set forth in claim 18,

wherein the notifying step is performed by displaying an alarm message, when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium.

20. (Original) The recording and/or reproducing method for the record medium as set forth in claim 18,

wherein the notifying step is performed by generating an alarm sound, when the result of the detecting step represents

that an error has been detected in the address information that has been read from the record medium.

21. (Previously Presented) The recording and/or reproducing method for the record medium as set forth in claim 14,

wherein the detecting step is performed by calculating address information that has been read from the record medium and detecting whether the address information that has been read from the record medium has an error depending on whether the calculated result is a predetermined value.

22. (Original) The recording and/or reproducing method for the record medium as set forth in claim 21,

wherein the address information is information that represents at least the start position of the second area.

23. (Original) The recording and/or reproducing method for the record medium as set forth in claim 22,

wherein the address information represents at least minutes, seconds, and frames.

24. (Original) The recording and/or reproducing method for the record medium as set forth in claim 23,

wherein a data portion that represents at least the frames of the address information is varied corresponding to data that represents a manufacturer of the record medium.

25. (Previously Presented) A recording and/or reproducing method for a record medium, comprising the steps of:

reading address information from a record medium, the record medium having at least a first area, a second area, and a third area, data being recordable to the first area, the second area being followed by the first area, the data record area being followed by the third area, the address information being at least one of first address information and second address information, the first address information representing the position of the second area, the second address information representing the position of the third area;

detecting an error corresponding to error detection code encoded for the address information of at least one of the first address information and the second address information that have been read from the record medium; and

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, notifying a user that the error has been detected.

26. (Original) The recording and/or reproducing method for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an

error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, prohibiting data from being recorded to the first area of the record medium.

27. (Original) The recording and/or reproducing method for the record medium as set forth in claim 26, further comprising the step of:

when the result of the detecting step represents that an error has not been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, permitting data to be recorded to the first area of the record medium.

28. (Original) The recording and/or reproducing method for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, prohibiting data recorded in the first area of the record medium from being reproduced.

29. (Original) The recording and/or reproducing method

for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, permitting data recorded in the first area of the record medium to be reproduced.

30. (Original) The recording and/or reproducing method for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, prohibiting data from being recorded to the first area of the record medium and permitting data recorded in the first area to be reproduced.

31. (Original) The recording and/or reproducing method for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, permitting data to be recorded to the first area of the record

medium and data recorded in the first area to be reproduced.

32. (Original) The recording and/or reproducing method for the record medium as set forth in claim 25,

wherein the notifying step is performed by displaying an alarm message, when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

33. (Original) The recording and/or reproducing method for the record medium as set forth in claim 25,

wherein the notifying step is performed by generating an alarm sound, when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

34. (Previously Presented) The recording and/or reproducing method for the record medium as set forth in claim 25,

wherein the detecting step is performed by calculating address information of at least one of the first address information and the second address information that have been read from the record medium and detecting whether the address

information that has been read from the record medium has an error depending on whether the calculated result is a predetermined value.

35. (Original) The recording and/or reproducing method for the record medium as set forth in claim 34,

wherein the first address information is information that represents at least the start position of the second area.

36. (Original) The recording and/or reproducing method for the record medium as set forth in claim 35,

wherein the first address information represents at least minutes, seconds, and frames.

37. (Original) The recording and/or reproducing method for the record medium as set forth in claim 36,

wherein a data portion that represents at least the frames of the first address information is varied corresponding to data that represents a manufacturer of the record medium.

38. (Original) The recording and/or reproducing method for the record medium as set forth in claim 34,

wherein the second address information is information that represents at least the start position of the third area.

39. (Original) The recording and/or reproducing method for the record medium as set forth in claim 38,

wherein the second address information represents at least minutes, seconds, and frames.

40. (Previously Presented) The recording and/or reproducing method for the record medium as set forth in claim 25,

wherein the detecting step is performed by calculating address information of both of the first address information and the second address information that have been read from the record medium and detecting whether the first address information and the second address information that have been read from the record medium have an error depending on whether the calculated result is a predetermined value.

41. (Original) The recording and/or reproducing method for the record medium as set forth in claim 40,

wherein the first address information is information that represents at least the start position of the second area.

42. (Original) The recording and/or reproducing method for the record medium as set forth in claim 41,

wherein the first address information represents at least minutes, seconds, and frames.

43. (Original) The recording and/or reproducing method for the record medium as set forth in claim 42,

wherein a data portion that represents at least the

frames of the first address information is varied corresponding to data that represents a manufacturer of the record medium.

44. (Original) The recording and/or reproducing method for the record medium as set forth in claim 42,

wherein the second address information is information that represents at least the start position of the third area.

45. (Original) The recording and/or reproducing method for the record medium as set forth in claim 44,

wherein the second address information represents at least minutes, seconds, and frames.

46. (Original) The recording and/or reproducing method for the record medium as set forth in claim 45,

wherein a data portion that represents at least the frames of the second address information is varied corresponding to data that represents a manufacturer of the record medium.

47. (Previously Presented) A recording and/or reproducing apparatus for a record medium, comprising:

a head for reading or reproducing data to/from a record medium, the record medium having at least a first area and a second area, data being recordable to the first area, the second area being followed by the first area;

an error checking portion for detecting an error

corresponding to error detection code encoded for address information that has been read from the record medium by said head, the address information representing the position of the second area; and

a controlling portion for notifying a user that an error has been detected, when the result of error detection of said error checking portion represents that the error has been detected in the address information that has been read from the record medium.

48. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

wherein said controlling portion prohibits data from being recoded to the first area of the record medium, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

49. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 48,

wherein said controlling portion permits data to be recorded to the first area of the record medium, when the result of error detection of said error checking portion represents that an error has not been detected in the address information that has been read from the record medium.

50. (Original) The recording and/or reproducing apparatus

for the record medium as set forth in claim 47,

wherein said controlling portion prohibits data recorded in the first area of the record medium from being reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

51. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

wherein said controlling portion permits data recorded in the first area of the record medium to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

52. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

wherein said controlling portion prohibits data from being recorded to the first area of the record medium and permits data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

53. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

wherein said controlling portion permits data to be recorded to the first area of the record medium and data

recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

54. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 47, further comprising:

a displaying portion,

wherein said controlling portion causes said displaying portion to display an alarm message, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

55. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

wherein said controlling portion generates an alarm sound, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

56. (Previously Presented) The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

wherein said controlling portion calculates address

information that has been read from the record medium and detects whether the address information that has been read from the record medium has an error depending on whether the calculated result is a predetermined value.

57. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 56,

wherein the address information is information that represents at least the start position of the second area.

58. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 57,

wherein the address information represents at least minutes, seconds, and frames.

59. (Previously Presented) The recording and/or reproducing apparatus for the record medium as set forth in claim 58,

wherein a data portion that represents that at least the frames of the address information is varied corresponding to data that represents a manufacturer of the record medium.

60. (Previously Presented) A recording and/or reproducing apparatus for a record medium, comprising:

a head for one of reading and reproducing data respectively to and from a record medium, the record medium having at least a first area and a second area, data being recordable to the first area, the second area being followed

by the first area;

an error checking portion for detecting an error corresponding to an error detection code encoded for address information that has been read from the record medium by said head, the address information representing the position of the second area; and

a controlling portion for prohibiting data from being recorded to the first area of the record medium, when the result of error detection of said error checking portion represents that the error has been detected in the address information that has been read from the record medium.

61. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion permits data to be recorded to the first area of the record medium, when the result of error detection of said error checking portion represents that an error has not been detected in the address information that has been read from the record medium.

62. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion prohibits data recorded in the first area of the record medium from being reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

63. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion permits data recorded in the first area of the record medium to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

64. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion prohibits data from being recorded to the first area of the record medium and permits data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

65. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion permits data to be recorded to the first area of the record medium and data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

66. (Original) The recording and/or reproducing apparatus

for the record medium as set forth in claim 60, further comprising:

a displaying portion,

wherein said controlling portion causes said displaying portion to display an alarm message, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

67. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion generates an alarm sound, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

68. (Previously Presented) The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion calculates address information that has been read from the record medium and detects whether the address information that has been read from the record medium has an error depending on whether the calculated result is a predetermined value.

69. (Original) The recording and/or reproducing apparatus

for the record medium as set forth in claim 60,

wherein the address information is information that represents at least the start position of the second area.

70. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 69,

wherein the address information represents at least minutes, seconds, and frames.

71. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 70,

wherein a data portion that represents at least the frames of the address information is varied corresponding to data that represents a manufacturer of the record medium.

72. (Previously Presented) A recording and/or reproducing apparatus for a record medium, comprising:

a head for one of reading and reproducing data respectively to and from a record medium, the record medium having at least a first area, a second area, and a third area, data being recordable to the first area, the second area being followed by the first area, the data record area being followed by the third area;

an error checking portion for detecting an error corresponding to an error detection code encoded for address information of at least one of first address information and second address information that have been read from the record medium by said head; and

a controlling portion for notifying a user that the error has been detected, when the result of error detection of said error checking portion represents that the error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

73. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

wherein said controlling portion prohibits data from being recorded to the first area of the record medium, when the result of error detection of said error checking portion represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

74. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 73,

wherein said controlling portion permits data to be recorded to the first area of the record medium, when the result of error detection of said error checking portion represents that an error has not been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

75. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

wherein said controlling portion prohibits data recorded in the first area of the record medium from being reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

76. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

wherein said controlling portion permits data recorded in the first area of the record medium to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

77. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

wherein said controlling portion prohibits data from being recorded to the first area of the record medium and permits data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information of at least one of the first address information

and the second address information that have been read from the record medium.

78. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

wherein said controlling portion permits data to be recorded to the first area of the record medium and data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

79. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 72, further comprising:

a displaying portion,

wherein said controlling portion causes said displaying portion to display an alarm message, when the result of error detection of said error checking portion represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

80. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

wherein said controlling portion generates an alarm sound, when the result of error detection of said error checking portion represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

81. (Previously Presented) The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

wherein said controlling portion calculates address information of at least one of the first address information and the second address information that have been read from the record medium and detects whether the address information of at least one of the first address information and the second address information that have been read from the record medium has an error depending on whether the calculated result is a predetermined value.

82. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 81,

wherein the first address information is information that represents at least the start position of the second area.

83. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 82,

wherein the first address information represents at least minutes, seconds, and frames.

84. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 83,

wherein a data portion that represents at least the frames of the first address information is varied corresponding to data that represents a manufacturer of the record medium.

85. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 81,

wherein the second address information is information that represents at least the start position of the third area.

86. (Original) The recording and/or reproducing apparatus for the record medium as set forth in claim 83,

wherein the second address information represents at least minutes, seconds, and frames.

87. - 124. (Cancelled)